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=> s protein

L1 3117391 PROTEIN

=> s antimicrobial?

L2 102188 ANTIMICROBIAL?

=> s l2 and activity

L3 47136 L2 AND ACTIVITY

=> s l3 and l1

L4 6611 L3 AND L1

=> s l4 and cysteine

L5 1031 L4 AND CYSTEINE

=> s l5 and purified

L6 734 L5 AND PURIFIED

=> s l6 and isolated

L7 616 L6 AND ISOLATED

=> s l7 and composition

L8 543 L7 AND COMPOSITION

=> s l9 and phramceutical

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=> s l8 and phramceutical

L9 0 L8 AND PHRAMCEUTICAL

=> s l8 and method

L10 540 L8 AND METHOD

=> s l10 and cysteine residues

L11 160 L10 AND CYSTEINE RESIDUES

=> s l11 and tyrosine

L12 93 L11 AND TYROSINE

=> s l12 and phenylalanine

L13 67 L12 AND PHENYLALANINE

=> s l13 and disulphide linkage

L14 0 L13 AND DISULPHIDE LINKAGE

=> s l13 and disulphide bond

L15 1 L13 AND DISULPHIDE BOND

=> d l15 ti abs ibib tot

L15 ANSWER 1 OF 1 USPATFULL

TI Methods for producing soluble, biologically-active disulfide-bond containing eukaryotic proteins in bacterial cells

AB Disclosed are methods of producing eukaryotic disulfide bond-containing polypeptides in bacterial hosts, and compositions resulting therefrom. Co-expression of a eukaryotic foldase and a disulfide bond-containing polypeptide in a bacterial host cell is demonstrated. In particular embodiments, the methods have been used to produce mammalian pancreatic trypsin inhibitor and tissue plasminogen activator (tPA) in soluble, biologically-active forms, which are isolatable from the bacterial periplasm. Also disclosed are expression systems, recombinant vectors, and transformed host cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:21382 USPATFULL

TITLE: Methods for producing soluble, biologically-active disulfide-bond containing eukaryotic proteins in bacterial cells

INVENTOR(S): Georgiou, George, Austin, TX, United States  
Ostermeier, Marc, State College, PA, United States  
PATENT ASSIGNEE(S): Board of Regents, The University of Texas System,  
Austin, TX, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 6027888	20000222
APPLICATION INFO.:	US 1997-834516	19970404 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-14950	19960405 (60)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Guzo, David	
ASSISTANT EXAMINER:	Sandals, William	
LEGAL REPRESENTATIVE:	Arnold, White & Durkee	
NUMBER OF CLAIMS:	40	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 7 Drawing Page(s)	
LINE COUNT:	4029	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.